

KENWOOD

ASB-1051

Service Bulletin

Amateur Radio Division

Subject: TM-732A Control PC Board B+ Foil Damage **Date:** March 28, 1994

Symptom:

Unable to turn on the power. No DISPLAY illumination, radio does not function.

Countermeasure:

The B+ circuit foil path near connector CN403 of the CONTROL Unit is burned open. This symptom can occur when the front panel is unplugged from the main chassis while the power is still turned on. Adding the resistor shown in series with the "B" line will help to limit current flow and prevent/limit this symptom from occurring.

Parts Required:

Qty	Description	New Part No.	Circuit Description
1	4.7 ohm chip resistor	R92-1281-05	R290

The diagram illustrates the electrical modification. A DC 13.8V source is connected to a network of components including a transistor (Q233), an integrated circuit (IC211), and various resistors and capacitors. A specific modification is highlighted: a 4.7 ohm resistor (R290) is added in series with the 'B' line at connector CN203. The diagram also shows a 'Cut' point and a 'ADD' label for the resistor. The TX/RX Unit is identified as X57-4000-XX B/4.

Caution: This modification requires advanced surface mount soldering equipment that is rated for CMOS circuits. It also requires familiarity with advanced surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance from your closest Kenwood Service Center (Long Beach, CA, or Virginia Beach, VA).

Time required for this modification is 60 minutes or less.

Service code A:01 B:X57-4000 C:R290 D:91